

A; Note: the codon given for 1-Met (AGT) is inconsistent with the authors' translation
 R/Milstein, C.; Even, J.; Jarvis, J.M.; Gonzalez-Fernandez, A.; Gherardi, E.
 Eur. J. Immunol. 22, 1627-1634, 1992
 A; Title: Non-random features of the repertoire expressed by the members of one V kappa 9
 A; Reference number: A49044; MUID:32289826
 A; Accession: A9044
 A; Molecule type: DNA
 A; Residues: 1-25 <MIL>
 A; Cross-references: GB:S37663; NID:9250214; PIDN:AAB22331.1; PID:g20217
 A; Note: sequence extracted from NCBI backbone (NCBIN:106802, NCBIP:106809)
 A; Accession: B43044
 A; Molecule type: DNA
 A; Residues: 114-116 <MLI2>
 A; Cross-references: GB:S37664; NID:9250215; PIDN:AAB22332.1; PID:g250218
 A; Experimental source: BALB/c germ-line
 A; Keyword: signal sequence: immunoglobulin
 F; 22/Domain: signal sequence #status predicted <SIG>
 F; 23-130/Product: Ig kappa chain V region (6F6) #status predicted <MAT>
 F; 38-111/Domain: immunoglobulin homology <IMM>
 F; 45-109/Disulfide bonds: #status predicted

C; Genetics:
 C; Gene: V (kappa)ox1
 A; Introns: 17/1
 A; Complex: An immunoglobulin heterotetramer subunit consists of two identical light (kap) 18
 A; disulfide bonds. In some cases, such as IgA and IgM, the subunits associate into 18
 C; Superfamily: immunoglobulin V region; immunoglobulin homology
 C; Keywords: heterotetramer; immunoglobulin
 F; 22/Domain: signal sequence #status predicted <SIG>
 F; 23-130/Product: Ig kappa chain V region (6F6) #status predicted <MAT>
 F; 38-111/Domain: immunoglobulin homology <IMM>
 F; 45-109/Disulfide bonds: #status predicted

Query Match 76.2%; Score 499; DB 1; Length 130;
 Best Local Similarity 74.2%; Pred. No. 3_3e-33; Indels 0; Gaps 0;
 Matches 95; Conservative 16; Mismatches 17; Indels 0; Gaps 0;

Query 1 MDFQVQIFSPLISAVILSRGDIQMOTSPSSLSASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 60
 Db 1 MDFQVQIFSPLISAVILSRGDIQMOTSPSSLSASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 60
 Qy 61 PGKARKLILYDTSNLASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 120
 Db 61 SGTSPPRWTTSKLASKVLSGVPARFSGSGXSYLTISMEADAATYCQQNSNPLTFG 120
 Qy 121 GGTKEIK 128
 Db 121 AGTKLEIK 128

RESULT 3
 058
 C; Species: Mus musculus (house mouse)
 C; Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 21-Jan-2000
 R; Fischer, R.; Voss, A.; Niersbach, M.; Munziker, W.; Hirsch, H.J.; Kreuzaler, F.
 A; Description: Product of a Tobacco mosaic virus (TMV) inactivating neoptop specific m
 A; Reference number: S25057
 A; Status: preliminary
 A; Molecule type: mRNA
 A; Residues: 1-235 <FIS>
 A; Cross-references: EMBL:X67211; NID:954828; PIDN:CAA47650.1; PID:954829
 C; Superfamily: immunoglobulin V region; immunoglobulin homology <IMM>
 F; 38-111/Domain: immunoglobulin homology <IMM>

Query Match 76.0%; Score 498; DB 2; Length 235;
 Best Local Similarity 74.2%; Pred. No. 7e-33; Indels 0; Gaps 0;
 Matches 95; Conservative 16; Mismatches 17; Indels 0; Gaps 0;

Qy 1 MDFQVQIFSPLISAVILSRGDIQMOTSPSSLSASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 60
 Db 1 MDFQVQIFSPLISAVILSRGDIQMOTSPSSLSASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 60

RESULT 4
 PL0013
 19 kappa chain precursor V region (4C11) - mouse (fragment)
 C; Species: Mus musculus (house mouse)
 C; Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 21-Jan-2000
 C; Accession: PL0013
 R; Cheng, H.L.; Sood, A.K.; Ward, R.E.; Kleber-Emmmons, T.; Kohler, H.
 Mol. Immunol. 25, 33-40, 1988
 A; Title: Structural basis of stimulatory anti-idiotypic antibodies
 A; Reference number: PL0011; MUID:88142863
 A; Molecule type: mRNA
 A; Residues: 1-140 <CHE>
 A; Experimental source: cell line 4C11
 C; Comment: This protein is an anti-idiotypic antibody that induces an anti-phosphoryl
 C; Superfamily: immunoglobulin V region; immunoglobulin homology
 C; Keywords: heterotetramer; immunoglobulin
 F; 23-129/Product: Ig heavy chain V region (4C11) #status predicted <SIG>
 F; 23-129/Domain: signal sequence #status predicted <MAT>
 F; 38-111/Domain: immunoglobulin homology <IMM>
 F; 46-55/Region: complementarity-determining 1
 F; 71-77/Region: complementarity-determining 2
 F; 110-118/Region: complementarity-determining 3
 F; 130-140/Domain: constant region (fragment) #status predicted <COR>
 Query Match 75.0%; Score 491; DB 2; Length 140;
 Best Local Similarity 74.2%; Pred. No. 1.5e-32; Indels 0; Gaps 0;
 Matches 95; Conservative 16; Mismatches 17; Indels 0; Gaps 0;
 Qy 1 MDFQVQIFSPLISAVILSRGDIQMOTSPSSLSASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 60
 Db 1 MDFQVQIFSPLISAVILSRGDIQMOTSPSSLSASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 60
 Qy 61 PGKARKLILYDTSNLASGVPSRFSGSGSTDTYLTISLQQPEDATYCQQNSYPLTFG 120
 Db 61 PDISPWKLYSTSNLASGPVVRFGSGSGTYSLTISMEREDATYCQQRSSYPPTFG 120
 Qy 121 GGTKEIK 128
 Db 121 AGTKLEIK 128

RESULT 5
 S04573
 Ig kappa chain precursor V region (MR1-histone 7L) - mouse (fragment)
 C; Species: Mus musculus (house mouse)
 C; Date: 04-Dec-1992 #sequence_revision 04-Dec-1992 #text_change 21-Jan-2000
 C; Accession: S04573
 R; Kofler, R.; Noonan, D.J.; Strohal, R.; Balderas, R.S.; Moller, N.P.H.; Dixon, F.J.;
 Eur. J. Immunol. 17, 91-95, 1987
 A; Title: Molecular analysis of the murine lupus-associated anti-self response: involv
 A; Reference number: S04573
 A; Accession: S04573
 A; Molecule type: mRNA
 A; Residues: 1-130 <KOF>
 A; Cross-references: EMBL:X14620; NID:952031; PIDN:CAA32773.1; PID:g2032
 A; Note: the authors translated the codon AGC for residue 47 as Asn
 C; Superfamily: immunoglobulin V region; immunoglobulin homology
 C; Keywords: heterotetramer; immunoglobulin
 F; 21-22/Domain: signal sequence #status predicted <SIG>
 F; 23-130/Product: Ig kappa chain V region (fragment) #status predicted <IMM>
 F; 38-113/Domain: immunoglobulin homology <IMM>

			F;16-90/Domain: immunoglobulin homology <IMM>
Query Match	73.0% ; Score 478; DB 2; Length 130;	Best Local Similarity 70.8%; Pred. No. 1.6e-31; Matches 92; Conservative 22; Mismatches 14; Indels 2; Gaps 1;	Query Match 70.8%; Score 463.5; DB 2; Length 107; Best Local Similarity 83.2%; Pred. No. 1.8e-30; Matches 89; Conservative 11; Mismatches 6; Indels 1; Gaps 1;
Qy	1 MDFQVQIFSFLISAVSILSRGDIQMTOSSPLSASVGDRVTITCSATSSIT--YMSWYO 58	Qy 23 DIQMTQSPSSLSASVGDRVTITCSATSSIT-YMSWYQKQPCKARKLILYDTSNLASGVPS 81	
Db	1 MDFQVQIFSFLISAVSILSRGDIQMTOSSPLSASVGDRVTITCSATSSIT--YMSWYO 58	Db 1 EIVIQTSQSSLASVGDRVTITCRASQISSYLNWYQKRPKAPKLILYAAASSLQS3VPS 60	
Qy	59 QKGKAPKLILYDTSNLASGVPSRFSSGSQGDYLTISLQPEDFATYYCQOWSSYPLT 118	Qy 82 RFSGSGTDTYDFTLTISLQPEDFATYYCQOWSSYPLTGGGKVKEIK 128	
Db	61 QKGASPAKLVYTGSNLASGVPARFSSGSQTSYSLTISSEDAATYYCQYHSDPLT 120	Db 61 RFSGSGTDTFDTLTISLQPEDFATYYCQOWSSYPLTGGGKVKEIK 107	
Qy	119 FGCGTKVEIK 128		
Db	121 FGAGTKLELK 130		
RESULT	8		
		B9047 Ig kappa chain V region (monoclonal striational autoantibody STRAB SA-1A) - human (fr C;Species: Homo sapiens (man) C;Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 21-Jan-2000 C;Accession: B49047 R;Victor, K.D.; Pascual, V.; Williams, C.L.; Lennon, V.A.; Capra, J.D. Eur. J. Immunol. 22, 2231-2236, 1992 A;Title: Human monoclonal striational autoantibodies isolated from thymic B lymphocytes A;Reference number: A49047; MUID:92387224 A;Accession: B49047 A;Status: preliminary A;Molecule type: nucleic acid A;Residues: 1-108 <VIC> A;Experimental source: thymic B lymphocytes C;Superfamily: immunoglobulin V region; immunoglobulin homology <IMM> F;16-90/Domain: immunoglobulin homology <IMM>	
Query Match	70.8%; Score 463.5; DB 2; Length 108;	Query Match 70.8%; Score 463.5; DB 2; Length 108; Best Local Similarity 86.0%; Pred. No. 1.9e-30; Matches 92; Conservative 6; Mismatches 8; Indels 1; Gaps 1;	
C;Species: Mus musculus (house mouse)		Qy 23 DIQMTQSPSSLSASVGDRVTITCSATSSIT-YMSWYQKQPCKARKLILYDTSNLASGVPS 81	
C;Accession: B32456		Db 1 DIQMTQSPSSLSASVGDRVTITCRASQISSYLNWYQKRPKAPKLILYAAASSLQS3VPS 60	
R;Dombroski-Kurtzman, M.A.; Johnson, L.S.; Riordan, G.S.; Bedzyk, W.D.; Voss Jr., E.W.		Qy 82 RFSGSGTDTYDFTLTISLQPEDFATYYCQOWSSYPLTGGGKVKEIK 128	
A;Title: Variable region primary structures of a high affinity anti-fluorescein immunog		Db 61 RFSGSGTDTFDTLTISLQPEDFATYYCQOWSSYPLTGGGKVKEIK 107	
A;Reference number: A32456; MUID:89174706		RESULT 9	
A;Status: preliminary		S40349 Ig kappa chain V-J region - human	
A;Molecule type: mRNA		C;Species: Homo sapiens (man)	
A;Residues: 1-130 <DOM>		C;Date: 19-May-1994 #sequence_revision 21-Jul-1995 #text_change 21-Jan-2000	
A;Cross-references: GR:J04610; NID:9556313; PIDN:AA50296..1; PID:9556314		C;Accession: S40349 R;Klein, R.; Jaenichen, R.; Zachau, H.G. Eur. J. Immunol. 23, 3248-3251, 1993 A;Title: Expressed human immunoglobulin chi genes and their hypermutation. A;Reference number: S40312; MUID:9408891	
C;Superfamily: immunoglobulin V region; immunoglobulin homology		A;Status: preliminary; translation not shown	
C;Keywords: heterotetramer; immunoglobulin F;38-113/Domain: immunoglobulin homology <IMM>		A;Molecule type: mRNA	
		A;Cross references: EMBL:X72459; NID:9441386; PIDN:CAA51122..1; PID:9441387	
Query Match	71.1%; Score 466; DB 2; Length 130;	C;Superfamily: immunoglobulin V region; immunoglobulin homology	
Best Local Similarity 68.5%; Pred. No. 1.4e-30; Matches 89; Conservative 21; Mismatches 18; Indels 2; Gaps 1;		C;Keywords: heterotetramer; immunoglobulin F;33-107/Domain: immunoglobulin homology <IMM>	
Qy	1 MDFQVQIFSFLISAVSILSRGDIQMTOSSPLSASVGDRVTITCSATSSIT--YMSWYO 58		
Db	1 MDFQVQIFSFLISAVSILSRGDIQMTOSSPLSASVGDRVTITCSATSSIT--YMSWYO 58		
Qy	59 QKGKAPKLILYDTSNLASGVPSRFSSGSQGDYLTISLQPEDFATYYCQOWSSYPLT 118		
Db	61 QKGASPAKLVYTGSNLASGVPARFSSGSQTSYSLTISSEDAATYYCQYHSDPLT 120		
Qy	119 FGCGTKVEIK 128		
Db	121 FGAGTKLELK 130		
RESULT	7		
		S36264 Ig lambda chain V region (clone alpha-CEA-8A) - human (fragment)	
C;Species: Homo sapiens (man)		C;Accession: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 21-Jan-2000	
C;Date: 03-Feb-1994		R;Griffiths, A.D.; Malmqvist, M.; Marks, J.D.; Embleton, M.J.; McCafferty, J.	
C;Accession: S36264		EMBO J. 12, 725-734, 1993 A;Title: Human anti-self antibodies with high specificity from phage display libraries.	
R;Griffiths, A.D.; Malmqvist, M.; Marks, J.D.; Bye, J.M.; Embleton, M.J.; McCafferty, J.		A;Reference number: S36256; MUID:93178448 A;Accession: S36264 A;Status: preliminary; nucleic acid sequence not shown	
EMBO J. 12, 725-734, 1993		A;Molecule type: mRNA	
A;Cross-references: EMBL:Z188045; NID:93326; PIDN:CAA79297..1; PID:9933919		A;Residues: 1-107 <GR>	
C;Superfamily: immunoglobulin V region; immunoglobulin homology		A;Cross-references: EMBL:Z188045; NID:93326; PIDN:CAA79297..1; PID:9933919	
C;Keywords: heterotetramer; immunoglobulin F;33-107/Domain: immunoglobulin homology <IMM>		C;Cross-references: EMBL:Z188045; NID:93326; PIDN:CAA79297..1; PID:9933919	
		C;Superfamily: immunoglobulin V region; immunoglobulin homology	
Query Match	70.8%; Score 463.5; DB 2; Length 125;	C;Keywords: heterotetramer; immunoglobulin F;33-107/Domain: immunoglobulin homology <IMM>	
Best Local Similarity 81.8%; Pred. No. 2.1e-30; Matches 90; Conservative 11; Mismatches 8; Indels 1; Gaps 1;			

Qy 20 SRGDIQMTQSPSSLSASVGDRVTITCSATSSI-TYMSNYQQKPGKAPKLIIYDTSNLASG 78
 :|:||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 Db 15 ARCAIQLTQSPSSLSASVGDRVTITCRASGIISSAWLQQKPGKAPKLIIYDTSNLASSLSG 74
 Qy 79 VPSRFSGSGSTDYLTISLQPEDFATYCQOQSSYPLTFGGTKVEIK 128
 Db 75 VPSRFSGSGSTDYLTISLQPEDFATYCQOQNTYPLTFGGTKVEIK 124
 RESULT 12

Qy 82 RFSGSGSGOTDYLTISLQPEDFATYCQOQSSYPLTFGGGTKVEIK 128
 Db 61 RFSGSGSGOTDFLTISLQPEDFATYCQOQTSFPLTFGGSTKLEIK 107

Qy 83 S40317 Ig kappa chain - human
 C;Species: Homo sapiens (man)
 C;Date: 06-Mar-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
 C;Accession: S40317
 R;Klein, R.; Jaenichen, R.; Zachau, H.G.
 Eur. J. Immunol. 23, 3248-3271, 1993
 A;Title: Expressed human immunoglobulin chi genes and their hypermutation.
 A;Reference number: S40312; MUID: 94080891
 A;Accession: S40317
 A;Status: preliminary; translation not shown
 A;Molecule type: mRNA
 A;Residues: 1-129 <KLE>
 A;Cross-references: EMBL:X72427; NID:9441322; PID:CAA51095.1; PID:9441323
 C;Superfamily: immunoglobulin V region; immunoglobulin homology <IMM>
 F;37-111/Domain: immunoglobulin homology <IMM>

Query Match 69.4%; Score 454.5; DB 2; Length 129;
 Best Local Similarity 81.8%; Pred. No. 1-1e-29;
 Matches 90; Conservative 7; Mismatches 12; Indels 1; Gaps 1;

Qy 84 S52789 Ig kappa chain V region - human (fragment)
 C;Species: Homo sapiens (man)
 C;Date: 19-May-1995 #sequence_revision 21-Jul-1995 #text_change 21-Jan-2000
 C;Accession: S52789
 R;Rocca, A.; Khanlichi, A.A.; Touchard, G.; Mougenot, B.; Denoyon, L.; Der
 submitted to the EMBL Data Library, March 1995
 A;Description: Light chain V region gene usage restriction and peculiarities in myelo
 A;Reference number: S52789
 A;Accession: S52789
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-129 <ROC>
 A;Cross-references: EMBL:X85997; NID:9758600; PID:CAA59989.1; PID:9758601
 C;Superfamily: immunoglobulin V region; immunoglobulin homology
 C;Keywords: heterotetramer; immunoglobulin
 F;38-112/Domain: immunoglobulin homology <IMM>

Query Match 69.5%; Score 455.5; DB 2; Length 129;
 Best Local Similarity 72.5%; Pred. No. 9.6e-30;
 Matches 95; Conservative 13; Mismatches 18; Indels 5; Caps 3; Gaps 3;

Qy 85 1 MDFQV-QIFSEFLISAVSILSRGDIQMTQSSSLSAVGDRVTITCSATSSI-ITVMSWY 57
 Db 1 MDMRVPAQQLGLLWLRS-ARCQDQTQSPSSLSAQSVDRTITCRASNQIISLNWY 58
 Qy 86 58 QKPGKAPKLIIYDTSNLASGVPSRFSGSGSTDYLTISLQPEDFATYCQOQSSYPL 117
 Db 59 QKPGKAPKLIIYDTSNLASGVPSRFSGSGSTDYLTISLQPEDFATYCQOQSSYPL 118
 RESULT 13

Qy 87 S52789 Ig kappa chain V region - human (fragment)
 C;Species: Homo sapiens (man)
 C;Date: 19-May-1995 #sequence_revision 21-Jul-1995 #text_change 21-Jan-2000
 C;Accession: S52789
 R;Rocca, A.; Khanlichi, A.A.; Touchard, G.; Mougenot, B.; Denoyon, L.; Der
 submitted to the EMBL Data Library, March 1995
 A;Description: Light chain V region gene usage restriction and peculiarities in myelo
 A;Reference number: S52789
 A;Accession: S52789
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-129 <ROC>
 A;Cross-references: EMBL:X85995; NID:9758588; PID:CAA59987.1; PID:9758589
 C;Superfamily: immunoglobulin V region; immunoglobulin homology
 C;Keywords: heterotetramer; immunoglobulin
 F;38-112/Domain: immunoglobulin homology <IMM>

Query Match 69.4%; Score 454.5; DB 2; Length 129;
 Best Local Similarity 71.0%; Pred. No. 1.1e-29;
 Matches 93; Conservative 15; Mismatches 18; Indels 5; Gaps 3;

Qy 88 1 MDQDV-QIFSFLLISAVSILSRGDIQMTQSPSSLSAQSVDRTITCSATSSI-YMSWY 57
 Db 1 MDKRVPAQQLGLLWLRS-ARCQDQTQSPSSLSAQSVDRTITCSATSSI-YMSWY 58
 Qy 89 58 QKPGKAPKLIIYDTSNLASGVPSRFSGSGSTDYLTISLQPEDFATYCQOQSSYPL 117
 Db 59 QKPGKAPKLIIYDTSNLASGVPSRFSGSGSTDYLTISLQPEDFATYCQOQSSYPL 118
 Qy 90 118 TFGGTKVIEK 128
 Db 119 TFGGTKVIEK 129

RESULT 11

Qy 91 S36269 Lambda chain V region (clone alpha-TNF-A1) - human (fragment)
 C;Accession: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 21-Jan-2000
 R;Griffiths, A.D.; Malmqvist, M.; McCafferty, J.
 EMBO J. 12, 725-734, 1993
 A;Title: Human anti-s self antibodies with high specificity from phage display libraries.
 A;Reference number: S36266; MUID:93178448
 A;Accession: S36269
 A;Status: preliminary; nucleic acid sequence not shown
 A;Molecule type: mRNA
 A;Residues: 1-107 <GR>>
 A;Cross-references: EMBL:Z18838; NID:g33422; PIDN:CAA79290.1; PID:g939915
 C;Superfamily: immunoglobulin V region; immunoglobulin homology
 C;Keywords: heterotetramer; immunoglobulin
 F;16-90/Domain: immunoglobulin homology <IMM>

Query Match 69.4%; Score 454.5; DB 2; Length 107;
 Best Local Similarity 83.2%; Pred. No. 9.6e-30;
 Matches 89; Conservative 7; Mismatches 10; Indels 1; Gaps 1;

Qy 92 23 DQMTQSPSSLSASVGDRVTITCSATSSI-TYMSNYQQKPGKAPKLIIYDTSNLASGVPS 81
 Db 93 1 DQMTQSPSSLSASVGDRVTITCSATSSI-TYMSNYQQKPGKAPKLIIYDTSNLASGVPS 60

Db 119 TFGGGTKVEIK 129

RESULT 14

S40331

Ig kappa chain - human
 C;Species: Homo sapiens (man)
 C;Date: 06-Mar-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000
 C;Accession: S40331
 R;Klein, R.; Jaenichen, R.; Zachau, H.G.
 Eur. J. Immunol. 23, 3248-3271, 1993

A;Title: Expressed human immunoglobulin chi genes and their hypermutation.

A;Reference number: S40312; MUID:94080891

A;Accession: S40331

A;Status: Preliminary; translation not shown

A;Molecule type: mRNA

A;Residues: 1-123 <KLE>

A;Cross-references: EMBL:X72441; NID:9441350; PIDN:CAA51109.1; PID:9441351

C;Superfamily: immunoglobulin V region; immunoglobulin homology

C;Keywords: heterotetramer; immunoglobulin

C;106/Domain: immunoglobulin homology <IMM>

Query Match 69.1%; Score 452.5; DB 2; Length 123;
 Best Local Similarity 82.7%; Pred. No. 1.6e-29; 1;
 Matches 91; Conservative 7; Mismatches 11; Indels 1; Gaps 1;

Qy 20 SRDQIQTQSPSSLSASVGDRTITCSATSSI-TYMSWYQQPKGKAPKLITYDTNSNLASG 78

Db 14 ARCDIQQTQSPSSLSASVGDRTITCSATSSI-TYMSWYQQPKGKAPKLITYDTNSNLASG 73

Qy 79 VPSRFSGSGTGTDTLTISLQPEDPATYYCQOQWSSPLTFGGTGVKEIK 128

Db 74 VPSRFSGSGTGTDTLTISLQPEDPATYYCQOQWSSPLTFGGTGVKEIK 123

RESULT 15

S40333

Ig kappa chain V-J region - human

C;Species: Homo sapiens (man)

C;Date: 19-May-1994 #sequence_revision 26-May-1995 #text_change 21-Jan-2000

C;Accession: S40333

R;Klein, R.; Jaenichen, R.; Zachau, H.G.

Eur. J. Immunol. 23, 3248-3271, 1993

A;Title: Expressed human immunoglobulin chi genes and their hypermutation.

A;Reference number: S40312; MUID:94080891

A;Accession: S40333

A;Status: Preliminary; translation not shown

A;Molecule type: mRNA

A;Residues: 1-125 <KLE>

A;Cross-references: EMBL:X72443; NID:9441354; PIDN:CAA51111.1; PID:9441355

C;Superfamily: immunoglobulin V region; immunoglobulin homology

C;Keywords: heterotetramer; immunoglobulin

C;108/Domain: immunoglobulin homology <IMM>

Query Match 69.1%; Score 452.5; DB 2; Length 125;
 Best Local Similarity 81.3%; Pred. No. 1.6e-29; 1;
 Matches 87; Conservative 12; Mismatches 7; Indels 1; Gaps 1;

Qy 23 DIQMTQSPSSLSASVGDRTITCSATSSI-TYMSWYQQPKGKAPKLITYDTNSNLASGPS 81

Db 19 DIQMTQSPSSLSASVGDRTITCSATSSI-TYMSWYQQPKGKAPKLITYDTNSNLASGPS 78

Qy 82 RFSGSGSGTGTDTLTISLQPEDPATYYCQOQWSSPLTFGGTGVKEIK 128

Db 79 RFSGSGSGTGTDTLTISLQPEDPATYYCQOQWSSPLTFGGTGVKEIK 125

